

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Mitsuru KONDO et al. :
Serial No. NEW : **Attn: Application Branch**
Filed August 14, 2001 : **Attorney Docket No. 2001-1086A**

ROTARY SHAFT AXIAL ELONGATION
MEASURING METHOD AND DEVICE

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents,
Washington, DC 20231

Sir:

Prior to examination of the above-referenced U.S. patent application please amend the application as follows:

IN THE CLAIMS

Please amend the claims as follows:

8. (Amended) A rotary shaft axial elongation measuring device as claimed in Claim 2, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

Please add the following new claims:

9. A rotary shaft axial elongation measuring device as claimed in Claim 3, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

10. A rotary shaft axial elongation measuring device as claimed in Claim 4, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

11. A rotary shaft axial elongation measuring device as claimed in Claim 5, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

12. A rotary shaft axial elongation measuring device as claimed in Claim 6, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

13. A rotary shaft axial elongation measuring device as claimed in Claim 7, wherein said sensor is any one of a capacitance type gap sensor, an eddy current gap sensor and a photoelectric sensor.

REMARKS

The present Preliminary Amendment is submitted to delete the multiple dependency of the claims, thereby placing such claims in condition for examination and reducing the required PTO filing fee.

Attached hereto is a marked-up version of the changes made to the claims by the current Preliminary Amendment. The attached page is captioned "**Version With Markings to Show Changes Made**".

Respectfully submitted,

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By


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TO CHARGE ANY DEFICIENCY IN THE
FEES. IT IS ORDERED TO DEPOSIT
ACCOUNT NO. 23 70 1

Version with Markings to
Show Changes Made

2 claimed in Claim 2, wherein said measuring mark is a groove
3 provided in a spiral shape.

1 7. A rotary shaft axial elongation measuring device as
2 claimed in Claim 2, wherein said measuring mark is a wire
3 member fitted in a spiral shape.

1 8. A rotary shaft axial elongation measuring device as
2 claimed in ^{Claim 2} any one of Claims 2 to 7, wherein said sensor is
3 any one of a capacitance type gap sensor, an eddy current gap
4 sensor and a photoelectric sensor.